

## Section 6. Coal

Coal production in May 2003 totaled 89 million short tons, 3 percent lower than in May 2002.

Coal consumed by the electric power sector in March 2003 was 81 million short tons, 5 percent higher than the level in March 2002.

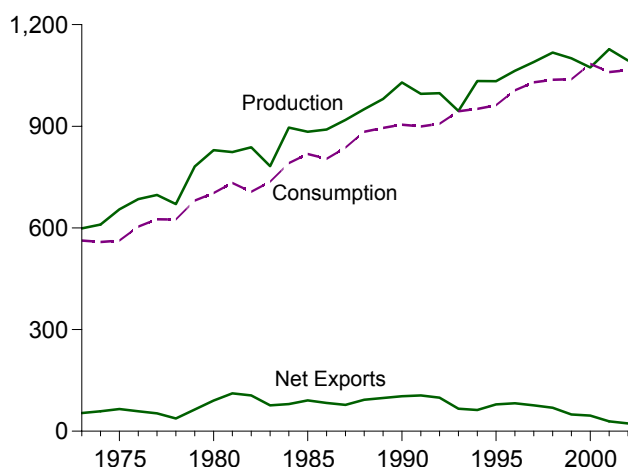
Electric power sector coal stocks were 138 million short

tons at the end of March 2003, 6 percent lower than the level a year earlier.

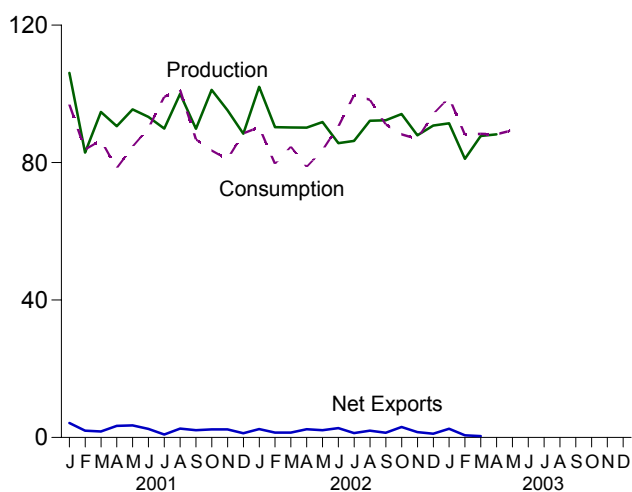
Coal exports in March 2003 totaled 2 million short tons, 12 percent lower than exports in March 2002. Coal imports in March 2003 totaled 2 million short tons, 51 percent higher than imports in March 2002.

**Figure 6.1 Coal**  
(Million Short Tons)

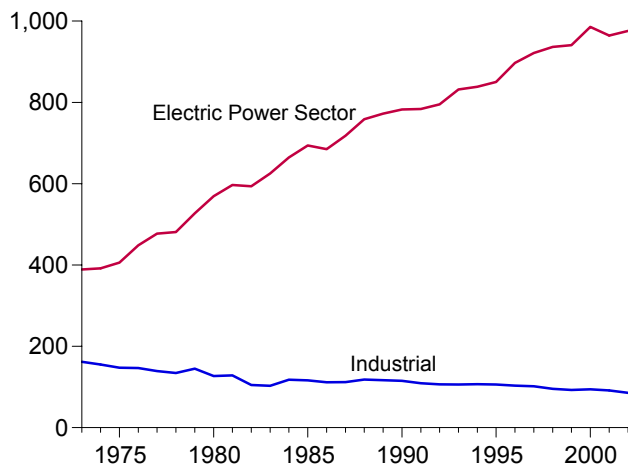
Overview, 1973-2002



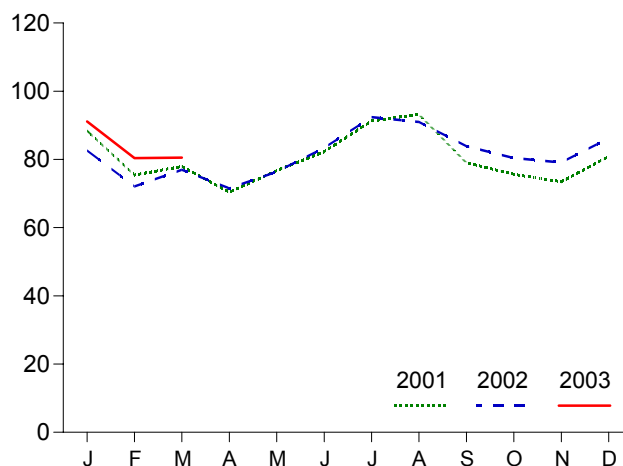
Overview, Monthly



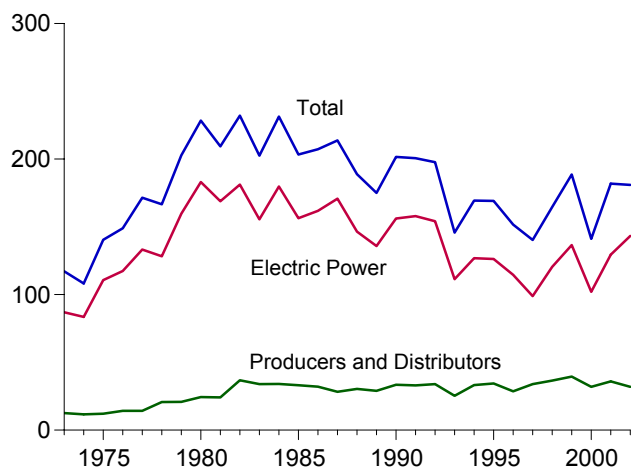
Consumption by Sector, 1973-2002



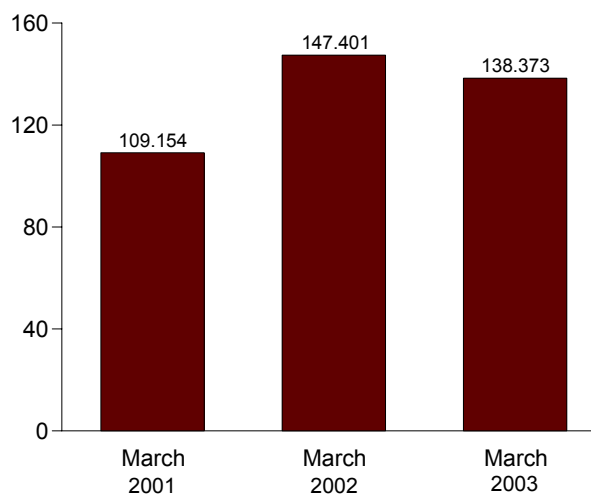
Electric Power Sector Consumption, Monthly



Stocks, End of Year, 1973-2002



Electric Power Sector Stocks, End of Month



Note: Because vertical scales differ, graphs should not be compared.  
Web Page: <http://www.eia.doe.gov/emeu/mer/coal.html>.  
Sources: Tables 6.1, 6.2, and 6.3.

**Table 6.1 Coal Overview**  
(Thousand Short Tons)

	Production <sup>a</sup>	Waste Coal <sup>b,c</sup>	Imports	Exports	Stock Change <sup>d</sup>	Losses and Unaccounted for <sup>e</sup>	Consumption
<b>1973 Total</b> .....	598,568	NA	127	53,587	( <sup>f</sup> )	<sup>g</sup> -17,476	562,584
<b>1974 Total</b> .....	610,023	NA	2,080	60,661	-8,918	1,958	558,402
<b>1975 Total</b> .....	654,641	NA	940	66,309	32,154	-5,522	562,640
<b>1976 Total</b> .....	684,913	NA	1,203	60,021	8,508	13,797	603,790
<b>1977 Total</b> .....	697,205	NA	1,647	54,312	22,644	-3,395	625,291
<b>1978 Total</b> .....	670,164	NA	2,953	40,714	-4,938	12,116	625,225
<b>1979 Total</b> .....	781,134	NA	2,059	66,042	36,206	421	680,524
<b>1980 Total</b> .....	829,700	NA	1,194	91,742	25,595	10,827	702,730
<b>1981 Total</b> .....	823,775	NA	1,043	112,541	-18,983	-1,366	732,627
<b>1982 Total</b> .....	838,112	NA	742	106,277	22,614	3,052	706,911
<b>1983 Total</b> .....	782,091	NA	1,271	77,772	-29,453	-1,629	736,672
<b>1984 Total</b> .....	895,921	NA	1,286	81,483	28,716	-4,288	791,296
<b>1985 Total</b> .....	883,638	NA	1,952	92,680	-27,934	2,796	818,049
<b>1986 Total</b> .....	890,315	NA	2,212	85,518	3,953	-1,175	804,231
<b>1987 Total</b> .....	918,762	NA	1,747	79,607	6,461	-2,499	836,941
<b>1988 Total</b> .....	950,265	NA	2,134	95,023	-24,949	-1,316	883,642
<b>1989 Total</b> .....	980,729	1,407	2,851	100,815	-13,744	2,916	895,000
<b>1990 Total</b> .....	1,029,076	3,339	2,699	105,804	26,542	-1,730	904,498
<b>1991 Total</b> .....	995,984	3,950	3,390	108,969	-947	-3,925	899,227
<b>1992 Total</b> .....	997,545	6,287	3,803	102,516	-2,997	461	907,655
<b>1993 Total</b> .....	945,424	8,137	8,181	74,519	-51,943	-4,916	944,081
<b>1994 Total</b> .....	1,033,504	8,227	8,870	71,359	23,617	4,340	951,286
<b>1995 Total</b> .....	1,032,974	8,561	9,473	88,547	-275	632	962,104
<b>1996 Total</b> .....	1,063,856	8,778	8,115	90,473	-17,456	1,411	1,006,321
<b>1997 Total</b> .....	1,089,932	8,096	7,487	83,545	-11,253	3,678	1,029,544
<b>1998 Total</b> .....	1,117,535	8,690	8,724	78,048	24,228	-4,430	1,037,103
<b>1999 Total</b> .....	1,100,431	8,683	9,089	58,476	23,988	-2,906	1,038,647
<b>2000 Total</b> .....	1,073,612	9,089	12,513	58,489	<sup>R</sup> -48,309	<sup>R</sup> 938	1,084,095
<b>2001 January</b> .....	106,110	( <sup>c</sup> )	1,303	5,512	<sup>R</sup> -2,118	<sup>R</sup> 7,122	<sup>R</sup> 96,896
<b>February</b> .....	82,900	( <sup>c</sup> )	1,252	3,236	3,824	<sup>R</sup> -6,680	<sup>R</sup> 83,772
<b>March</b> .....	94,761	( <sup>c</sup> )	1,355	3,094	12,607	<sup>R</sup> -6,084	<sup>R</sup> 86,499
<b>April</b> .....	90,578	( <sup>c</sup> )	1,253	4,623	10,439	<sup>R</sup> -1,603	<sup>R</sup> 78,372
<b>May</b> .....	95,505	( <sup>c</sup> )	1,435	4,966	8,320	<sup>R</sup> -950	<sup>R</sup> 84,605
<b>June</b> .....	93,310	( <sup>c</sup> )	1,436	3,911	-1,833	<sup>R</sup> 2,644	<sup>R</sup> 90,025
<b>July</b> .....	89,884	( <sup>c</sup> )	2,289	3,166	-6,626	<sup>R</sup> -3,524	<sup>R</sup> 99,157
<b>August</b> .....	100,000	( <sup>c</sup> )	1,772	4,364	-6,805	<sup>R</sup> 3,108	<sup>R</sup> 101,105
<b>September</b> .....	89,845	( <sup>c</sup> )	1,986	4,125	-871	<sup>R</sup> 1,871	<sup>R</sup> 86,705
<b>October</b> .....	101,145	( <sup>c</sup> )	1,649	4,002	9,947	<sup>R</sup> 5,334	<sup>R</sup> 83,511
<b>November</b> .....	95,244	( <sup>c</sup> )	2,057	4,413	8,420	<sup>R</sup> 3,455	<sup>R</sup> 81,014
<b>December</b> .....	88,407	( <sup>c</sup> )	2,001	3,256	6,325	<sup>R</sup> -7,659	<sup>R</sup> 88,485
<b>Total</b> .....	1,127,689	( <sup>c</sup> )	19,787	48,666	<sup>R</sup> 41,630	<sup>R</sup> -2,966	<sup>R</sup> 1,060,146
<b>2002 January</b> .....	102,070	( <sup>c</sup> )	1,439	3,873	4,878	4,445	90,312
<b>February</b> .....	90,325	( <sup>c</sup> )	1,222	2,630	5,411	3,856	79,650
<b>March</b> .....	90,224	( <sup>c</sup> )	1,339	2,749	1,556	2,603	84,655
<b>April</b> .....	90,160	( <sup>c</sup> )	1,208	3,584	8,517	522	78,745
<b>May</b> .....	91,795	( <sup>c</sup> )	1,227	3,330	2,718	3,303	83,670
<b>June</b> .....	85,635	( <sup>c</sup> )	1,422	4,128	-5,658	-1,961	90,549
<b>July</b> .....	86,291	( <sup>c</sup> )	1,573	2,843	-9,943	-4,666	99,629
<b>August</b> .....	92,163	( <sup>c</sup> )	1,555	3,529	-12,830	4,743	98,276
<b>September</b> .....	92,314	( <sup>c</sup> )	1,526	2,884	1,851	-2,001	91,105
<b>October</b> .....	94,137	( <sup>c</sup> )	1,369	4,407	5,742	-2,853	88,211
<b>November</b> .....	87,932	( <sup>c</sup> )	1,393	2,930	4,858	-5,378	86,915
<b>December</b> .....	90,760	( <sup>c</sup> )	1,602	2,712	-8,064	3,587	94,126
<b>Total</b> .....	1,093,806	( <sup>c</sup> )	16,875	39,601	-963	6,201	1,065,842
<b>2003 January</b> .....	<sup>R</sup> 92,757	( <sup>c</sup> )	1,134	3,680	<sup>R</sup> -7,192	<sup>R</sup> -1,567	<sup>R</sup> 98,969
<b>February</b> .....	<sup>R</sup> 82,228	( <sup>c</sup> )	1,804	2,428	<sup>R</sup> -4,716	<sup>R</sup> -1,826	<sup>R</sup> 88,145
<b>March</b> .....	<sup>R</sup> 89,092	( <sup>c</sup> )	2,017	2,410	6,282	-5,932	88,349
<b>April</b> .....	88,205	( <sup>c</sup> )	NA	NA	NA	NA	NA
<b>May</b> .....	89,444	( <sup>c</sup> )	NA	NA	NA	NA	NA
<b>5-Month Total</b> .....	441,725	( <sup>c</sup> )	NA	NA	NA	NA	NA
<b>2002 5-Month Total</b> .....	464,573	( <sup>c</sup> )	6,435	16,167	23,081	14,729	417,031
<b>2001 5-Month Total</b> .....	469,854	( <sup>c</sup> )	6,598	21,430	32,251	-7,374	430,144

<sup>a</sup> Beginning in 2001, includes bituminous refuse.

<sup>b</sup> Waste coal (including anthracite culm, bituminous gob, fine coal, and lignite waste) consumed by independent power producers. For 1989-2000, waste coal is counted as a supply-side item to balance the same amount of waste coal included in "Consumption."

<sup>c</sup> Beginning in 2001, bituminous refuse is included in "Production"; to avoid double counting, waste coal is not counted as a separate supply-side item for 2001 forward.

<sup>d</sup> A negative value indicates a decrease in stocks; a positive value indicates an increase.

<sup>e</sup> "Losses and Unaccounted for" is calculated as the sum of production, imports,

and waste coal, minus exports, stock change, and consumption.

<sup>f</sup> Included in "Losses and Unaccounted for."

<sup>g</sup> Includes stock change.

<sup>R</sup>=Revised. NA=Not available.

Notes: • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

• For methodology used to calculate production, consumption, and stock, see Notes 1, 2, and 3 at end of section.

Web Page: <http://www.eia.doe.gov/emeu/mer/coal.html>.

Sources: See end of section.

In the April 2003 *Monthly Energy Review*, Table 6.1 was redesigned to replace "Stocks" with "Stock Change" and to add columns for "Waste Coal" and "Losses and Unaccounted for." Also, "Consumption" data were revised for 1989 forward; see Table 6.2 and Appendix D for additional information.

**Table 6.2 Coal Consumption by Sector**  
(Thousand Short Tons)

	End-Use Sectors										Electric Power Sector <sup>e,f</sup>	Total
	Resi- dential	Commercial			Coke Plants	Industrial			Trans- portation			
		CHP <sup>a</sup>	Other <sup>b</sup>	Total		Other Industrial		Total				
						CHP <sup>c</sup>	Non-CHP <sup>d</sup>					
1973 Total .....	4,113	(g)	7,004	7,004	94,101	(h)	68,038	68,038	162,139	116	389,212	562,584
1974 Total .....	3,653	(g)	7,764	7,764	90,191	(h)	64,903	64,903	155,094	80	391,811	558,402
1975 Total .....	2,823	(g)	6,587	6,587	83,598	(h)	63,646	63,646	147,244	24	405,962	562,640
1976 Total .....	2,586	(g)	6,330	6,330	84,704	(h)	61,787	61,787	146,491	12	448,371	603,790
1977 Total .....	2,507	(g)	6,447	6,447	77,739	(h)	61,463	61,463	139,202	9	477,126	625,291
1978 Total .....	2,188	(g)	7,323	7,323	71,394	(h)	63,085	63,085	134,479	(h)	481,235	625,225
1979 Total .....	1,678	(g)	6,710	6,710	77,368	(h)	67,717	67,717	145,085	(h)	527,051	680,524
1980 Total .....	1,355	(g)	5,097	5,097	66,657	(h)	60,347	60,347	127,004	(h)	569,274	702,730
1981 Total .....	1,336	(g)	6,085	6,085	61,014	(h)	67,395	67,395	128,409	(h)	596,797	732,627
1982 Total .....	1,401	(g)	6,839	6,839	40,908	(h)	64,097	64,097	105,005	(h)	593,666	706,911
1983 Total .....	1,352	(g)	7,096	7,096	37,033	(h)	65,980	65,980	103,013	(h)	625,211	736,672
1984 Total .....	1,643	(g)	7,486	7,486	44,022	(h)	73,745	73,745	117,767	(h)	664,399	791,296
1985 Total .....	1,556	(g)	6,223	6,223	41,056	(h)	75,372	75,372	116,429	(h)	693,841	818,049
1986 Total .....	1,533	(g)	6,134	6,134	35,924	(h)	75,583	75,583	111,508	(h)	685,056	804,231
1987 Total .....	1,383	(g)	5,531	5,531	36,957	(h)	75,175	75,175	112,132	(h)	717,894	836,941
1988 Total .....	1,426	(g)	5,704	5,704	41,888	(h)	76,252	76,252	118,140	(h)	758,372	883,642
1989 Total .....	1,172	1,125	3,871	4,996	40,508	24,867	51,268	76,134	116,643	(h)	772,190	895,000
1990 Total .....	1,210	1,191	4,323	5,514	38,877	27,781	48,549	76,330	115,207	(h)	782,567	904,498
1991 Total .....	975	1,228	3,891	5,119	33,854	27,021	48,384	75,405	109,259	(h)	783,874	899,227
1992 Total .....	1,046	1,175	3,932	5,107	32,366	28,244	45,799	74,042	106,408	(h)	795,094	907,655
1993 Total .....	1,058	1,373	3,791	5,164	31,323	28,886	46,006	74,892	106,215	(h)	831,645	944,081
1994 Total .....	902	1,344	3,767	5,111	31,740	29,707	45,471	75,179	106,919	(h)	838,354	951,286
1995 Total .....	755	1,419	3,633	5,052	33,011	29,363	43,693	73,055	106,067	(h)	850,230	962,104
1996 Total .....	721	1,660	3,625	5,285	31,706	29,434	42,254	71,689	103,395	(h)	896,921	1,006,321
1997 Total .....	711	1,738	4,015	5,752	30,203	29,853	41,661	71,515	101,718	(h)	921,364	1,029,544
1998 Total .....	534	1,443	2,879	4,322	28,189	28,553	38,887	67,439	95,628	(h)	936,619	1,037,103
1999 Total .....	585	1,490	2,803	4,293	28,108	27,763	36,975	64,738	92,846	(h)	940,922	1,038,647
2000 Total .....	454	1,547	2,126	3,673	28,939	28,031	37,177	65,208	94,147	(h)	985,821	1,084,095
2001 January .....	57	<sup>R</sup> 131	<sup>R</sup> 332	463	2,176	<sup>R</sup> 2,424	<sup>R</sup> 3,381	5,805	7,981	(h)	<sup>R</sup> 88,395	<sup>R</sup> 96,896
February .....	45	132	235	367	2,145	<sup>R</sup> 2,012	<sup>R</sup> 3,802	5,813	7,958	(h)	<sup>R</sup> 75,401	<sup>R</sup> 83,772
March .....	42	<sup>R</sup> 129	207	336	2,466	<sup>R</sup> 2,220	<sup>R</sup> 3,517	5,737	8,202	(h)	<sup>R</sup> 77,919	<sup>R</sup> 86,499
April .....	41	99	234	333	2,320	<sup>R</sup> 2,047	<sup>R</sup> 3,246	5,293	7,613	(h)	<sup>R</sup> 70,384	<sup>R</sup> 78,372
May .....	26	105	<sup>R</sup> 105	209	2,337	<sup>R</sup> 1,965	<sup>R</sup> 3,327	5,292	7,629	(h)	<sup>R</sup> 76,741	<sup>R</sup> 84,605
June .....	29	117	118	235	2,268	<sup>R</sup> 2,123	<sup>R</sup> 3,123	5,247	7,515	(h)	<sup>R</sup> 82,246	<sup>R</sup> 90,025
July .....	36	144	144	288	2,206	<sup>R</sup> 2,267	<sup>R</sup> 3,117	5,385	7,591	(h)	<sup>R</sup> 91,242	<sup>R</sup> 99,157
August .....	36	<sup>R</sup> 162	130	293	2,249	<sup>R</sup> 2,318	<sup>R</sup> 3,021	5,339	7,588	(h)	<sup>R</sup> 93,189	<sup>R</sup> 101,105
September .....	24	122	75	197	2,145	<sup>R</sup> 2,115	<sup>R</sup> 3,204	5,319	7,464	(h)	<sup>R</sup> 79,020	<sup>R</sup> 86,705
October .....	31	<sup>R</sup> 100	153	253	2,203	<sup>R</sup> 2,081	<sup>R</sup> 3,307	5,388	7,592	(h)	<sup>R</sup> 75,634	<sup>R</sup> 83,511
November .....	42	97	243	340	1,846	<sup>R</sup> 2,041	<sup>R</sup> 3,314	5,355	7,201	(h)	<sup>R</sup> 73,431	<sup>R</sup> 81,014
December .....	71	110	464	574	1,715	<sup>R</sup> 2,141	<sup>R</sup> 3,153	5,294	7,010	(h)	<sup>R</sup> 80,831	<sup>R</sup> 88,485
Total .....	481	<sup>R</sup> 1,448	<sup>R</sup> 2,441	3,888	26,075	<sup>R</sup> 25,755	<sup>R</sup> 39,514	65,268	91,344	(h)	<sup>R</sup> 964,433	<sup>R</sup> 1,060,146
2002 January .....	53	132	301	433	1,818	2,340	3,078	5,418	7,236	(h)	82,589	90,312
February .....	47	106	271	377	1,723	2,038	3,386	5,424	7,147	(h)	72,079	79,650
March .....	44	134	223	357	1,873	2,209	3,232	5,441	7,315	(h)	76,939	84,655
April .....	39	102	214	316	1,867	2,054	2,975	5,028	6,895	(h)	71,495	78,745
May .....	30	104	136	240	1,928	1,994	3,061	5,055	6,983	(h)	76,417	83,670
June .....	27	120	101	221	1,846	2,165	2,916	5,081	6,927	(h)	83,373	90,549
July .....	38	136	172	307	1,819	2,312	2,769	5,081	6,900	(h)	92,384	99,629
August .....	34	137	137	274	1,894	2,154	2,933	5,087	6,981	(h)	90,987	98,276
September .....	24	123	74	197	1,883	2,148	2,941	5,089	6,972	(h)	83,912	91,105
October .....	32	118	142	260	2,072	2,211	3,255	5,466	7,538	(h)	80,381	88,211
November .....	48	121	270	391	1,910	2,149	3,297	5,447	7,356	(h)	79,120	86,915
December .....	64	136	380	516	1,904	2,292	3,167	5,460	7,364	(h)	86,183	94,126
Total .....	481	1,469	2,419	3,888	22,537	26,066	37,011	63,077	85,615	(h)	975,858	1,065,842
2003 January .....	59	146	<sup>R</sup> 329	<sup>R</sup> 475	<sup>R</sup> 1,940	2,484	<sup>R</sup> 2,902	<sup>R</sup> 5,386	<sup>R</sup> 7,326	(h)	91,109	<sup>R</sup> 98,969
February .....	<sup>R</sup> 49	<sup>RF</sup> 96	<sup>R</sup> 302	<sup>R</sup> 398	<sup>R</sup> 1,932	<sup>RF</sup> 1,932	<sup>R</sup> 3,439	<sup>R</sup> 5,372	<sup>R</sup> 7,329	(h)	<sup>RF</sup> 80,369	<sup>R</sup> 88,145
March .....	36	<sup>F</sup> 110	183	293	2,103	<sup>F</sup> 2,079	3,303	5,382	7,485	(h)	<sup>F</sup> 80,535	88,349
3-Month Total .....	144	<sup>E</sup> 352	814	1,167	6,001	<sup>E</sup> 6,495	9,644	16,139	22,140	(h)	<sup>E</sup> 252,013	275,464
2002 3-Month Total .....	144	372	795	1,167	5,415	6,587	9,697	16,284	21,698	(h)	231,607	254,616
2001 3-Month Total .....	144	393	774	1,167	6,786	6,656	10,700	17,356	24,142	(h)	241,715	267,168

<sup>a</sup> Commercial combined-heat-and-power (CHP) and a small number of commercial electricity-only plants, such as those at hospitals and universities. See note at end of Section 7.

<sup>b</sup> All commercial sector fuel use other than that in "Commercial CHP."

<sup>c</sup> Industrial combined-heat-and-power (CHP) and a small number of industrial electricity-only plants. See note at end of Section 7.

<sup>d</sup> All industrial sector fuel use other than that in "Coke Plants" and "Industrial CHP."

<sup>e</sup> The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

<sup>f</sup> Through 1988, data are for consumption at electric utilities only. Beginning

in 1989, data also include consumption at independent power producers.

<sup>g</sup> Included in "Commercial Other."

<sup>h</sup> Included in "Industrial Non-CHP."

R=Revised. E=Estimate. F=Forecast.

Notes: • For sector-specific reporting and estimating information, see Note 2 at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/coal.html>.

Sources: See end of section. **Forecast values:** Energy Information Administration, Short-Term Integrated Forecasting System. See Note 4 at end of section.

In the April 2003 *Monthly Energy Review*, Table 6.2 was redesigned to show commercial sector and industrial sector combined-heat-and-power plant consumption separately from other consumption in each sector. For a discussion about these changes and other effects on historical data, see Appendix D. Residential and commercial data were revised due to new methodology—see Note 2 at the end of section.

**Table 6.3 Coal Stocks by Sector**  
(Thousand Short Tons)

	Producers and Distributors	End-Use Sectors					Electric Power Sector <sup>b,c</sup>	Total
		Residential and Commercial	Industrial			Total		
			Coke Plants	Other <sup>a</sup>	Total			
1973 Year .....	12,530	290	6,998	10,370	17,368	17,658	86,967	117,155
1974 Year .....	11,634	280	6,209	6,605	12,814	13,094	83,509	108,237
1975 Year .....	12,108	233	8,797	8,529	17,326	17,559	110,724	140,391
1976 Year .....	14,221	240	9,902	7,100	17,002	17,242	117,436	148,899
1977 Year .....	14,225	220	12,816	11,063	23,879	24,099	133,219	171,543
1978 Year .....	20,695	360	8,278	9,048	17,326	17,686	128,225	166,606
1979 Year .....	20,826	340	10,155	11,777	21,932	22,272	159,714	202,812
1980 Year .....	24,379	NA	9,067	11,951	21,018	21,018	183,010	228,407
1981 Year .....	24,149	NA	6,475	9,906	16,381	16,381	168,893	209,423
1982 Year .....	36,784	NA	4,642	9,479	14,121	14,121	181,132	232,038
1983 Year .....	33,931	NA	4,346	8,710	13,056	13,056	155,598	202,584
1984 Year .....	34,090	NA	6,166	11,317	17,483	17,483	179,727	231,300
1985 Year .....	33,133	NA	3,420	10,438	13,857	13,857	156,376	203,367
1986 Year .....	32,093	NA	2,992	10,429	13,420	13,420	161,806	207,319
1987 Year .....	28,321	NA	3,884	10,777	14,662	14,662	170,797	213,780
1988 Year .....	30,418	NA	3,137	8,768	11,906	11,906	146,507	188,831
1989 Year .....	29,000	NA	2,864	7,363	10,227	10,227	135,860	175,087
1990 Year .....	33,418	NA	3,329	8,716	12,044	12,044	156,166	201,629
1991 Year .....	32,971	NA	2,773	7,061	9,835	9,835	157,876	200,682
1992 Year .....	33,993	NA	2,597	6,965	9,562	9,562	154,130	197,685
1993 Year .....	25,284	NA	2,401	6,716	9,117	9,117	111,341	145,742
1994 Year .....	33,219	NA	2,657	6,585	9,243	9,243	126,897	169,358
1995 Year .....	34,444	NA	2,632	5,702	8,334	8,334	126,304	169,083
1996 Year .....	28,648	NA	2,667	5,688	8,355	8,355	114,623	151,627
1997 Year .....	33,973	NA	1,978	5,597	7,576	7,576	98,826	140,374
1998 Year .....	36,530	NA	2,026	5,545	7,571	7,571	120,501	164,602
1999 Year .....	39,475	NA	1,943	5,569	<sup>R</sup> 7,511	7,511	<sup>C</sup> 141,604	188,590
2000 Year .....	31,905	NA	1,494	4,587	6,081	6,081	102,296	<sup>R</sup> 140,282
2001 January .....	35,489	NA	1,630	4,500	6,130	6,130	96,545	138,164
February .....	37,589	NA	1,766	4,413	6,178	6,178	98,220	141,987
March .....	39,214	NA	1,902	4,325	6,227	6,227	109,154	154,595
April .....	40,265	NA	1,813	4,433	6,246	6,246	118,523	165,034
May .....	39,568	NA	1,724	4,540	6,265	6,265	127,521	173,354
June .....	38,554	NA	1,635	4,648	6,283	6,283	126,683	171,521
July .....	39,485	NA	1,616	4,789	6,405	6,405	119,005	164,895
August .....	38,498	NA	1,597	4,930	6,526	6,526	113,066	158,090
September .....	34,822	NA	1,577	5,070	6,647	6,647	115,750	157,219
October .....	33,531	NA	1,506	5,382	6,888	6,888	126,747	167,166
November .....	32,956	NA	1,508	5,694	7,202	7,202	135,428	175,586
December .....	35,900	NA	1,510	6,006	7,516	7,516	138,496	181,912
2002 January .....	39,548	NA	1,388	5,618	7,006	7,006	140,236	186,790
February .....	41,589	NA	1,309	5,230	6,539	6,539	144,073	192,201
March .....	40,284	NA	1,230	4,842	6,072	6,072	147,401	193,757
April .....	44,961	NA	1,306	4,916	6,221	6,221	151,092	202,274
May .....	43,946	NA	1,381	4,990	6,371	6,371	154,676	204,993
June .....	41,288	NA	1,456	5,064	6,520	6,520	151,526	199,334
July .....	40,496	NA	1,469	5,321	6,790	6,790	142,105	189,392
August .....	36,489	NA	1,483	5,578	7,060	7,060	133,012	176,561
September .....	35,662	NA	1,496	5,834	7,330	7,330	135,421	178,413
October .....	35,191	NA	1,385	5,820	7,205	7,205	141,758	184,154
November .....	36,954	NA	1,274	5,806	7,080	7,080	144,979	189,013
December .....	31,968	NA	1,163	5,792	6,955	6,955	142,026	180,949
2003 January .....	31,489	NA	<sup>R</sup> 1,186	<sup>R</sup> 5,311	<sup>R</sup> 6,497	<sup>R</sup> 6,497	135,771	<sup>R</sup> 173,757
February .....	<sup>F</sup> 30,489	NA	<sup>R</sup> 1,210	<sup>R</sup> 4,830	<sup>R</sup> 6,040	<sup>R</sup> 6,040	<sup>F</sup> 132,512	<sup>R</sup> 169,041
March .....	<sup>F</sup> 31,274	NA	1,327	4,349	5,676	5,676	<sup>F</sup> 138,373	175,323

<sup>a</sup> Includes transportation sector.

<sup>b</sup> The electric power sector comprises electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

<sup>c</sup> Through 1998, data are for stocks at electric utilities only. Beginning in 1999, data also include stocks at independent power producers.

R=Revised. NA=Not available. F=Forecast.

Notes: • Stocks are at end of period. • For sector-specific reporting and

estimating information, see Note 3 at end of section. • Totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: <http://www.eia.doe.gov/emeu/mer/coal.html>.

Sources: See end of section. **Forecast values:** Energy Information Administration, Short-Term Integrated Forecasting System. See Note 4 at end of section.

Beginning with the April 2003 *Monthly Energy Review*, coal stocks, previously shown separately for "Electric Utilities" and "Other Power Producers," are now shown only combined as "Electric Power Sector."

## Coal

**Note 1. Production:** Preliminary monthly estimates of national coal production are the sum of weekly estimates developed by the Energy Information Administration (EIA) and published in the *Weekly Coal Production* report. When a week extends into a new month, production is allocated on a daily basis and added to the appropriate month. Weekly estimates are based on Association of American Railroads data showing the number of railcars loaded with coal during the week by Class I and certain other railroads. This number is converted into tons of coal by EIA by using the average number of tons of coal per railcar loaded reported in the most recent “Quarterly Freight Commodity Statistics” from the Surface Transportation Board. If an average coal tonnage per railcar loaded is not available for a specific railroad, the national average is used. To derive the estimate of total weekly production, the total rail tonnage for the week is divided by the ratio of quarterly production shipped by rail and total quarterly production. Data for the corresponding quarter of previous years are used to derive this ratio. This method ensures that the seasonal variations are preserved in the production estimates.

When preliminary quarterly data become available, the monthly and weekly estimates are adjusted to conform to the quarterly figure. The adjustment procedure uses State-level production data and is explained in EIA’s *Quarterly Coal Report*. Initial estimates of annual production published in January of the following year are based on preliminary production data covering the first 9 months (three quarters) and weekly/monthly estimates for the fourth quarter. The fourth quarter estimates may or may not be revised when preliminary data become available in March of the following year, depending on the magnitude of the difference between the estimates and the preliminary data. In any event, all quarterly, monthly, and weekly production figures are adjusted to conform to the final annual production data published in the *Monthly Energy Review* in the fall of the following year.

**Note 2. Consumption:** Coal consumption data are reported by major end-use sector. Forecast data for the most recent months (designated by an “F”) are derived from forecasted values shown in the EIA *Short-Term Energy Outlook* (DOE/EIA-0202) table titled “U.S. Coal Supply and Demand: Mid World Oil Price Case.” The monthly estimates are based on the quarterly values, which are released in March, June, September, and December. The estimates are revised quarterly as collected data become available from the data sources. Sector-specific information follows.

**Residential and Commercial—**Coal consumption by the residential and commercial sectors is reported to the Energy Information Administration (EIA) for the two sectors combined; EIA estimates the amount consumed by the sectors individually. To create the estimates, it is first assumed that an occupied coal-heated housing unit

consumes fuel at the same Btu rate as an oil-heated housing unit. Then, for the years in which data are available on the number of occupied housing units by heating source (1973-1981 and subsequent odd-numbered years), residential consumption of coal is estimated by the following steps: a ratio is created of the number of occupied housing units heated by coal to the number of occupied housing units heated by oil; that ratio is then multiplied times the Btu quantity of oil consumed by the residential sector to derive an estimate of the Btu quantity of coal consumed by the residential sector; and, finally, the amount estimated as the residential sector consumption is subtracted from the residential and commercial sectors’ combined consumption to derive the commercial sector’s estimated consumption. The 1999 share is applied to 2000 and succeeding years, and the other missing years’ shares are interpolated.

**Industrial Coke Plants—**Prior to 1980, monthly coke plant consumption data were taken directly from reported data. From 1980-1987, coke plant consumption estimates were derived by proportioning reported quarterly data by using the ratios of monthly-to-quarterly consumption data in 1979, the last year in which monthly data were reported. Beginning in January 1988, monthly coke plant consumption estimates are derived from the reported quarterly data by using monthly ratios of raw steel production data from the American Iron and Steel Institute. The ratios are the monthly raw steel production from open hearth and basic oxygen process furnaces as a proportion of the quarterly production from those kinds of furnaces.

**Industrial Other—**Prior to 1978, monthly consumption data for the other industrial sector (all industrial users minus coke plants) were derived by using reported data to modify baseline consumption figures from the most recent Bureau of the Census Annual Survey of Manufactures or Census of Manufactures. For 1978 and 1979, monthly estimates were derived from data reported on Forms EIA-3 and EIA-6. From 1980-1987, monthly figures were estimated by proportioning quarterly data by using the ratios of monthly-to-quarterly consumption data in 1979, the last year in which monthly data were reported on Form EIA-3. Quarterly consumption data were derived by adding beginning stocks at manufacturing plants to current receipts and subtracting ending stocks at manufacturing plants. In this calculation, current receipts were the greater of either reported receipts from manufacturing plants (Form EIA-3) or reported shipments to the other industrial sector (Form EIA-6), thereby ensuring that agriculture, forestry, fishing, mining, and construction consumption data were included where appropriate. Starting in January 1988, monthly consumption for the other industrial sector is estimated from reported quarterly data by using ratios derived from industrial production indices published by the Board of Governors of the Federal Reserve System. Indices for six major industry groups are used as the basis for calculating the ratios: food manufacturing, which is North American Industry Classification System (NAICS) code 333; paper manufacturing, NAICS 322; chemical manufacturing, NAICS 325; petroleum and coal products, NAICS 324;

nonmetallic mineral products manufacturing, NAICS 327; and primary metal manufacturing, NAICS 331. The monthly ratios are computed as the monthly sum of the weighted indices as a proportion of the quarterly sum of the weighted indices by using the 1977 proportion as the weights.

Electric Power Sector—Monthly consumption data for electric power plants are taken directly from reported data.

**Note 3. Stocks:** Coal stocks data are reported by major end-use sector. Forecast data for the most recent months (designated by an “F”) are derived from forecasted values shown in the EIA *Short-Term Energy Outlook* (DOE/EIA-0202) table titled “U.S. Coal Supply and Demand: Mid World Oil Price Case.” The monthly estimates are based on the quarterly values, which are released in March, June, September, and December. The estimates are revised quarterly as collected data become available from the data sources. Sector-specific information follows.

Producers and Distributors—Quarterly stocks at producers and distributors are taken directly from reported data. Monthly data are estimated by using one-third of the current quarterly change to indicate the monthly change in stocks.

Residential and Commercial—Prior to 1980, stock estimates for the residential and commercial sector were taken directly from reported data. Beginning in 1980, stock estimates for the sector were considered to be statistically insignificant and are no longer collected.

Industrial Coke Plants—Prior to 1980, monthly stocks at coke plants were taken directly from reported data. From 1980 forward, coke plant stocks are estimated by using one-third of the current quarterly change to indicate the monthly change in stocks. Quarterly stocks are taken directly from data reported on Form EIA-5.

Industrial Other—Prior to 1978, stocks for the other industrial sector were derived by using reported data to modify baseline figures from a one-time Bureau of Mines survey of consumers. For 1978–1982, monthly estimates were derived by judgmentally proportioning reported quarterly data based on representative seasonal patterns of supply and demand. From 1983 forward, other industrial coal stocks are estimated as indicated above for coke plants. Quarterly stocks are taken directly from data reported on Form EIA-3 and therefore include only manufacturing industries; data for agriculture, forestry, fishing, mining, and construction stocks are not available.

Electric Power—Monthly stocks data at electric power plants are taken directly from reported data.

Other Power Producers—Annual stocks data are taken directly from reported data. Monthly data are estimated by EIA based on industry analysis.

**Note 4. Forecast Values:** Data values preceded by “F” in this section are forecast values. They are derived from EIA’s Short-Term Integrated Forecasting System (STIFS). The model is driven primarily by data and assumptions about key macroeconomic variables, the world oil price, and weather. The coal forecast relies on other variables as well, such as alternative fuel prices (natural gas and oil) and power generation by sources other than fossil fuels, including nuclear and hydroelectric power. Each month, EIA staff review the model output and make adjustments, if appropriate, based on their knowledge of developments in the coal industry.

The STIFS model results are published monthly in EIA’s *Short-Term Energy Outlook*, which is available from the National Energy Information Center (202-586-8800) and accessible on the world wide web at <http://www.eia.doe.gov>. Documentation for the model and instructions for downloading and operating it on a personal computer are provided.

**Note 5. Additional Information:** EIA’s *Quarterly Coal Report* provides additional information about coal data and estimation procedures.

## Table 6.1 Sources

### Production

1973–September 1977: U.S. Department of the Interior, Bureau of Mines, *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977 forward: Energy Information Administration (EIA), *Weekly Coal Production*.

### Waste Coal

EIA, Form EIA-860B, “Annual Electric Generator Report–Nonutility” and predecessor form.

### Imports and Exports

U.S. Department of Commerce, Bureau of the Census, Monthly Reports IM-145 (Imports) and EM-545 (Exports).

### Stocks Change

Calculated from data in Table 6.3.

### Losses and Unaccounted for

Calculated.

### Consumption

Table 6.2.

## Table 6.2 Sources

### Residential and Commercial

1973–1976: U.S. Department of the Interior (DOI), Bureau of Mines (BOM), *Minerals Yearbook*.

January–September 1977: DOI, BOM, Form 6-1400, “Monthly Coal Report, Retail Dealers–Upper Lake Docks.”

October 1977–1979: Energy Information Administration (EIA), Form EIA-2, “Monthly Coal Report, Retail Dealers-Upper Lake Docks.”

1980–1997: EIA, Form EIA-6, “Coal Distribution Report,” quarterly.

1998 forward: DOI, Mine Safety and Health Administration, Form 7000-2, “Quarterly Mine Employment and Coal Production.”

#### **Industrial Coke Plants**

1973–September 1977: DOI, BOM, *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977–1980: EIA, Form EIA-5/5A, “Coke and Coal Chemicals-Monthly/Annual Supplement.”

1981–1984: EIA, Form EIA-5/5A, “Coke Plant Report-Quarterly/Annual Supplement.”

1985 forward: EIA, Form EIA-5, “Coke Plant Report-Quarterly.”

#### **Industrial Other**

1973–September 1977: DOI, BOM, *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977–1979: EIA, Form EIA-3, “Monthly Coal Consumption Report-Manufacturing Plants.”

1980 forward: EIA, Form EIA-3, “Quarterly Coal Consumption Report-Manufacturing Plants,” and Form EIA-6, “Coal Distribution Report,” quarterly.

#### **Transportation**

1973–1976: DOI, BOM, *Minerals Yearbook*.

January–September 1977: DOI, BOM, Form 6-1400, “Monthly Coal Report, Retail Dealers-Upper Lake Docks.”

October–December 1977: EIA, Form EIA-6, “Coal Distribution Report,” quarterly.

#### **Electric Power**

1973–September 1977: DOI, BOM, *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977–1988: EIA, Form EIA-759 (formerly Form FPC-4), “Monthly Power Plant Report.”

1989–2000: Table 7.3b

2001: EIA, Form EIA-906, “Power Plant Report.”

### **Table 6.3 Sources**

#### **Producers and Distributors**

1973–1979: DOI, BOM, Form 6-1419Q, “Distribution of Bituminous Coal and Lignite Shipments.”

1980 forward: Energy Information Administration (EIA), Form EIA-6, “Coal Distribution Report,” quarterly.

#### **Residential and Commercial**

1973–1976: U.S. Department of the Interior (DOI), Bureau of Mines (BOM), *Minerals Yearbook*.

January–September 1977: DOI, BOM, Form 6-1400, “Monthly Coal Report, Retail Dealers-Upper Lake Docks.”

October 1977–1979: EIA, Form EIA-2, “Monthly Coal Report, Retail Dealers-Upper Lake Docks.”

#### **Industrial Coke Plants**

1973–September 1977: U.S. Department of the Interior (DOI), Bureau of Mines (BOM), *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977–1980: Energy Information Administration (EIA), Form EIA-5/5A, “Coke and Coal Chemicals-Monthly/Annual.”

1981–1984: EIA, Form EIA 5/5A, “Coke Plant Report-Quarterly/Annual Supplement.”

1985 forward: EIA, Form EIA-5, “Coke Plant Report-Quarterly.”

#### **Industrial Other**

1973–September 1977: DOI, BOM, *Minerals Yearbook* and *Minerals Industry Surveys*.

October 1977–1979: EIA, Form EIA-3, “Monthly Coal Consumption Report-Manufacturing Plants.”

1980 forward: EIA, Form EIA-3, “Quarterly Coal Consumption Report-Manufacturing Plants,” and Form EIA-6, “Coal Distribution Report,” quarterly.

#### **Electric Power**

Table 7.4.